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Abstract

The present invention generally relates to the field of mobile multimedia middleware, quality-of-service, shared resource reservation mechanisms, distributed processing systems, handheld computers, computer networking and wireless communication.

10      Particularly, the present invention describes a processing system and pieces of software for one or more communication networks, with middleware comprising an application programming interface (102) cast over a data model describing quality-of-service contracts and quality-of-service adaptation paths specified by quality-of-service aware mobile multimedia applications (101) using said programming interface, in order to manage quality-of-service and mobility-aware for managing network connections with other applications. The present invention hereby relates to a corresponding data model as well as the necessary architecture.

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(Figure 1)